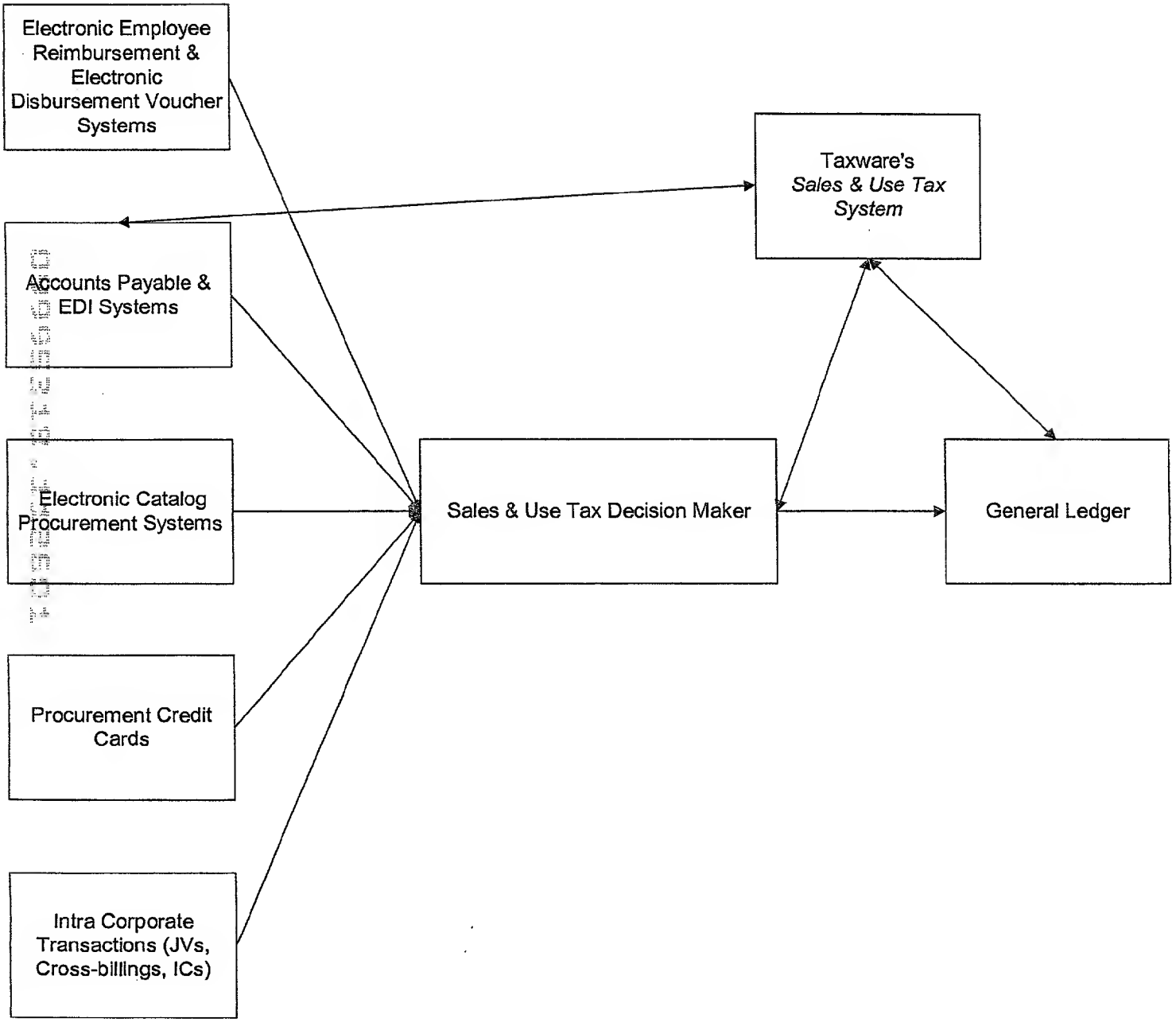
Electronic Employee Reimbursement & Electronic Disbursement Voucher Systems
Accounts Payable & EDI Systems
Electronic Catalog Procurement Systems
Procurement Credit Cards
Intra Corporate Transactions (JVs, Cross-billings, ICs)
Taxware's Sales & Use Tax System
Sales & Use Tax Decision Maker
General Ledger

FIG. 1

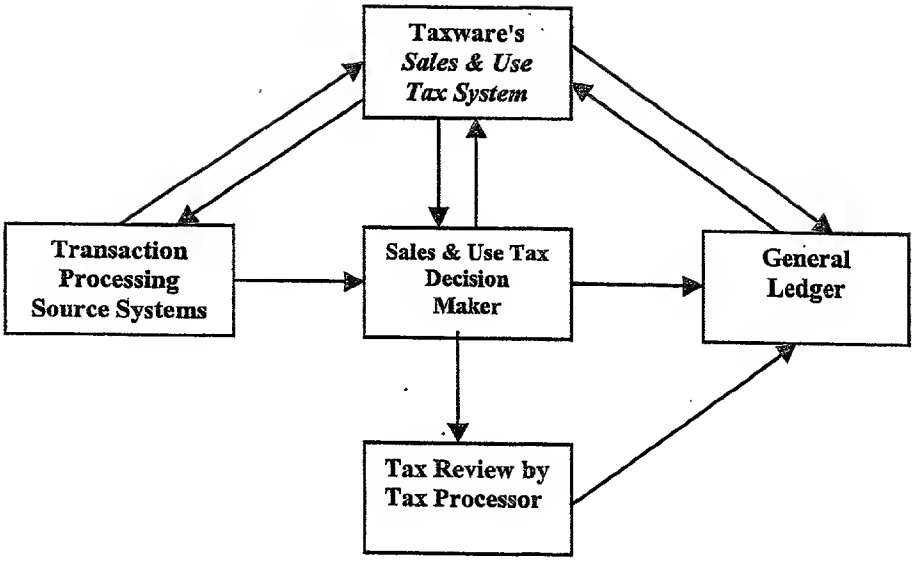
Taxware's
Sales & Use
Tax System
Transaction
Processing
Source Systems
Sales & Use Tax
Decision
Maker
General
Ledger
Tax Review by
Tax Processor

FIG. 2

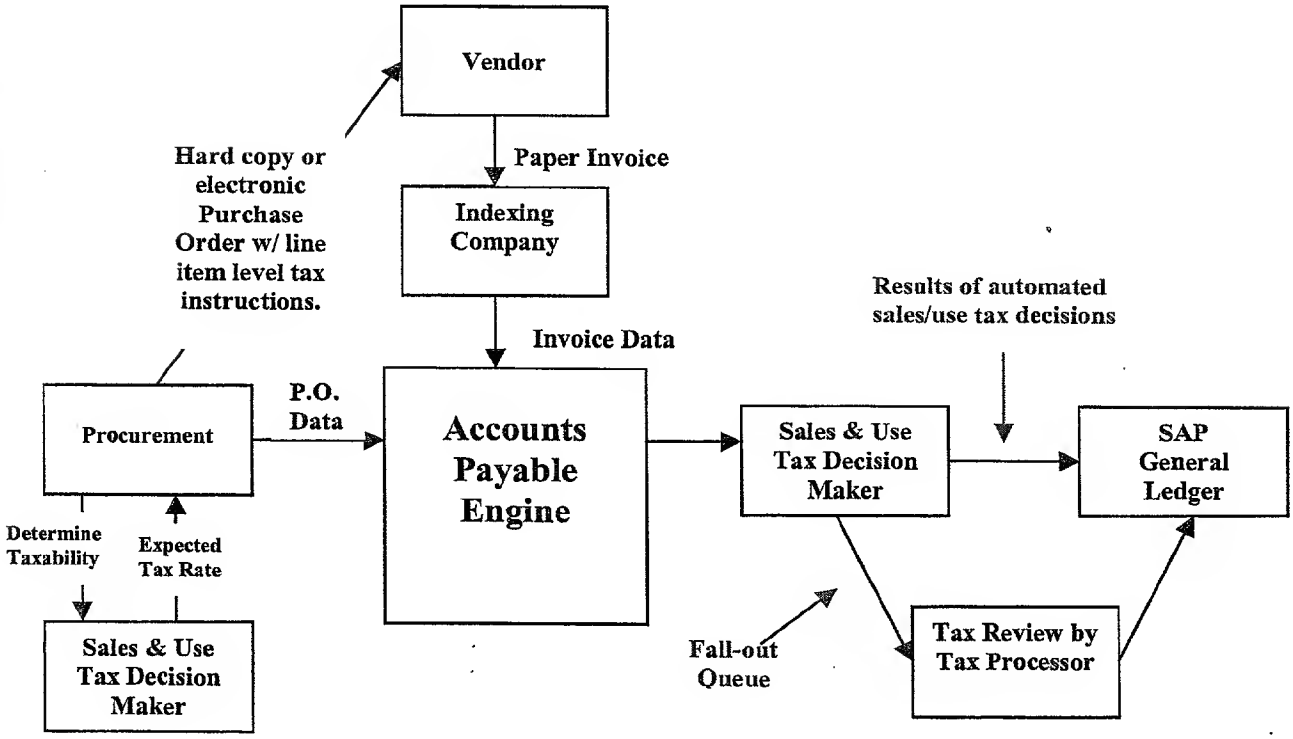
Vendor
Hard copy or
electronic
Purchase
Order w/ line
item level tax
instructions.
Paper Invoice
Indexing
Company
Invoice Data
Results of automated
sales/use tax decisions
Procurement
P.O.
Data
Accounts
Payable
Engine
Sales & Use
Tax Decision
Maker
SAP
General
Ledger
Determine
Taxability
Expected
Tax Rate
Sales & Use
Tax Decision
Maker
Fall-out
Queue
Tax Review by
Tax Processor

FIG. 3

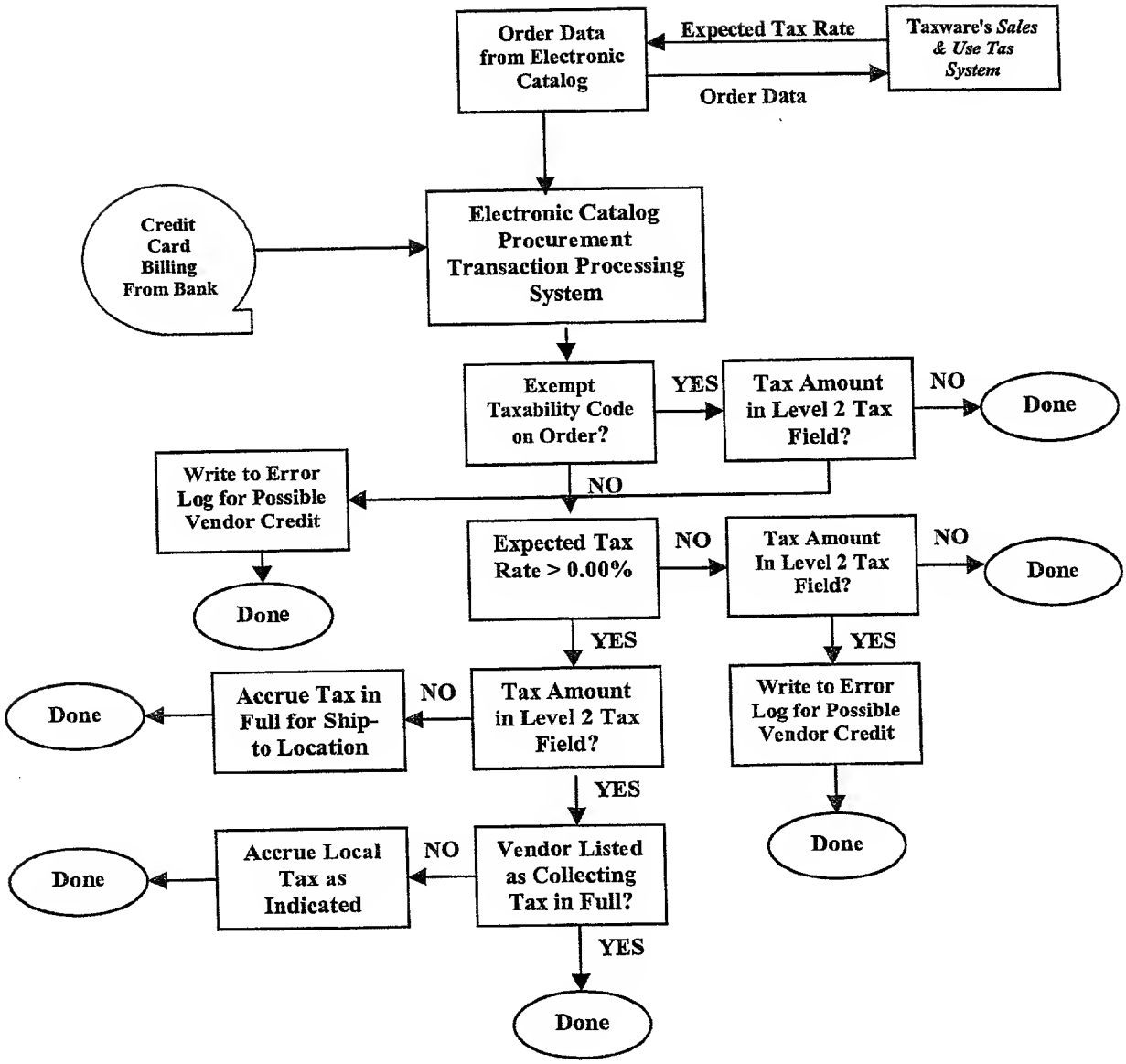
Order Data from Electronic Catalog
Expected Tax Rate
Taxware's Sales & Use Tas System
Order Data
Credit Card Billing From Bank
Electronic Catalog Procurement Transaction Processing System
Exempt Taxability Code on Order?
YES
Tax Amount in Level 2 Tax Field?
NO
Done
NO
Write to Error Log for Possible Vendor Credit
Done
Expected Tax Rate > 0.00%
NO
Tax Amount In Level 2 Tax Field?
NO
Done
YES
YES
Done
Accrue Tax in Full for Ship-to Location
NO
Tax Amount in Level 2 Tax Field?
Write to Error Log for Possible Vendor Credit
YES
YES
Done
Done
Accrue Local Tax as Indicated
NO
Vendor Listed as Collecting Tax in Full?
YES
Done

FIG. 4

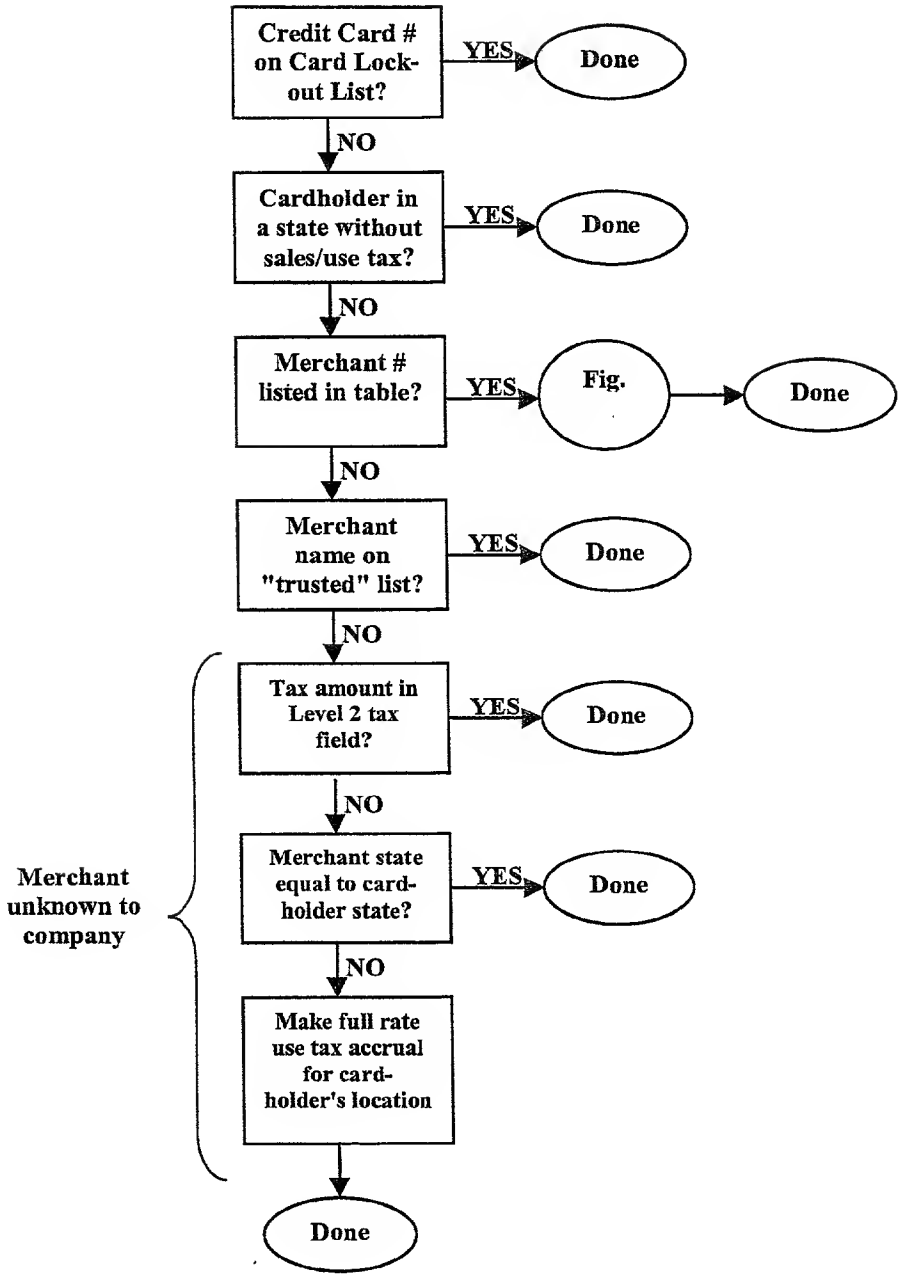
Credit Card # on Card Lock-out List?
YES
Done
NO
Cardholder in a state without sales/use tax?
YES
Done
NO
Merchant # listed in table?
YES
Fig.
Done
NO
Merchant name on "trusted" list?
YES
Done
NO
Merchant unknown to company
Tax amount in Level 2 tax field?
YES
Done
NO
Merchant state equal to card-holder state?
YES
Done
NO
Make full rate use tax accrual for card-holder's location
Done

FIG. 5A

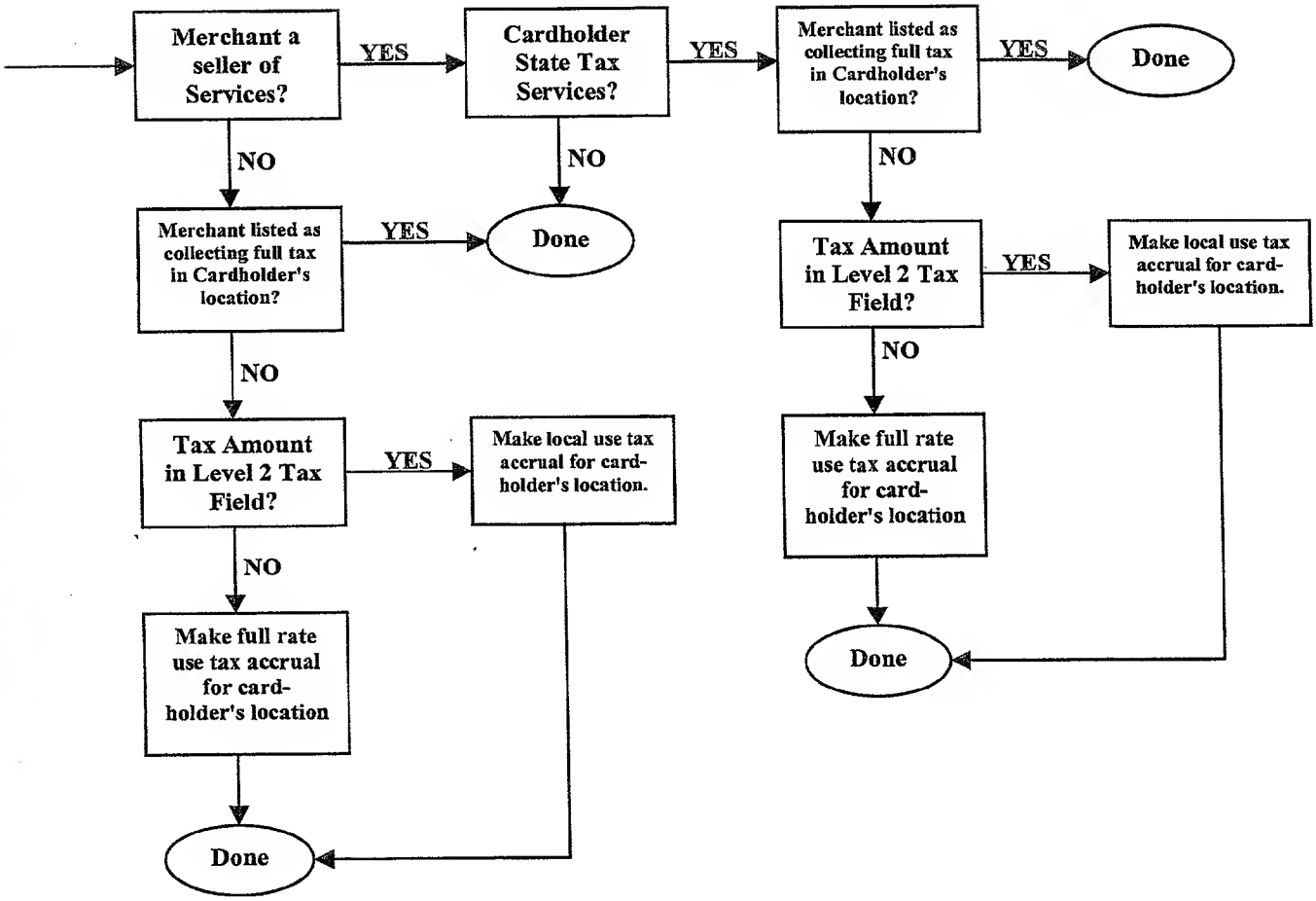
Merchant a seller of Services?
YES
Cardholder State Tax Services?
YES
Merchant listed as collecting full tax in Cardholder's location?
YES
Done
NO
NO
NO
Merchant listed as collecting full tax in Cardholder's location?
YES
Done
Tax Amount in Level 2 Tax Field?
YES
Make local use tax accrual for card-holder's location.
NO
NO
Tax Amount in Level 2 Tax Field?
YES
Make local use tax accrual for card-holder's location.
NO
Make full rate use tax accrual for card-holder's location
Make full rate use tax accrual for card-holder's location
Done
Done

FIG. 5B

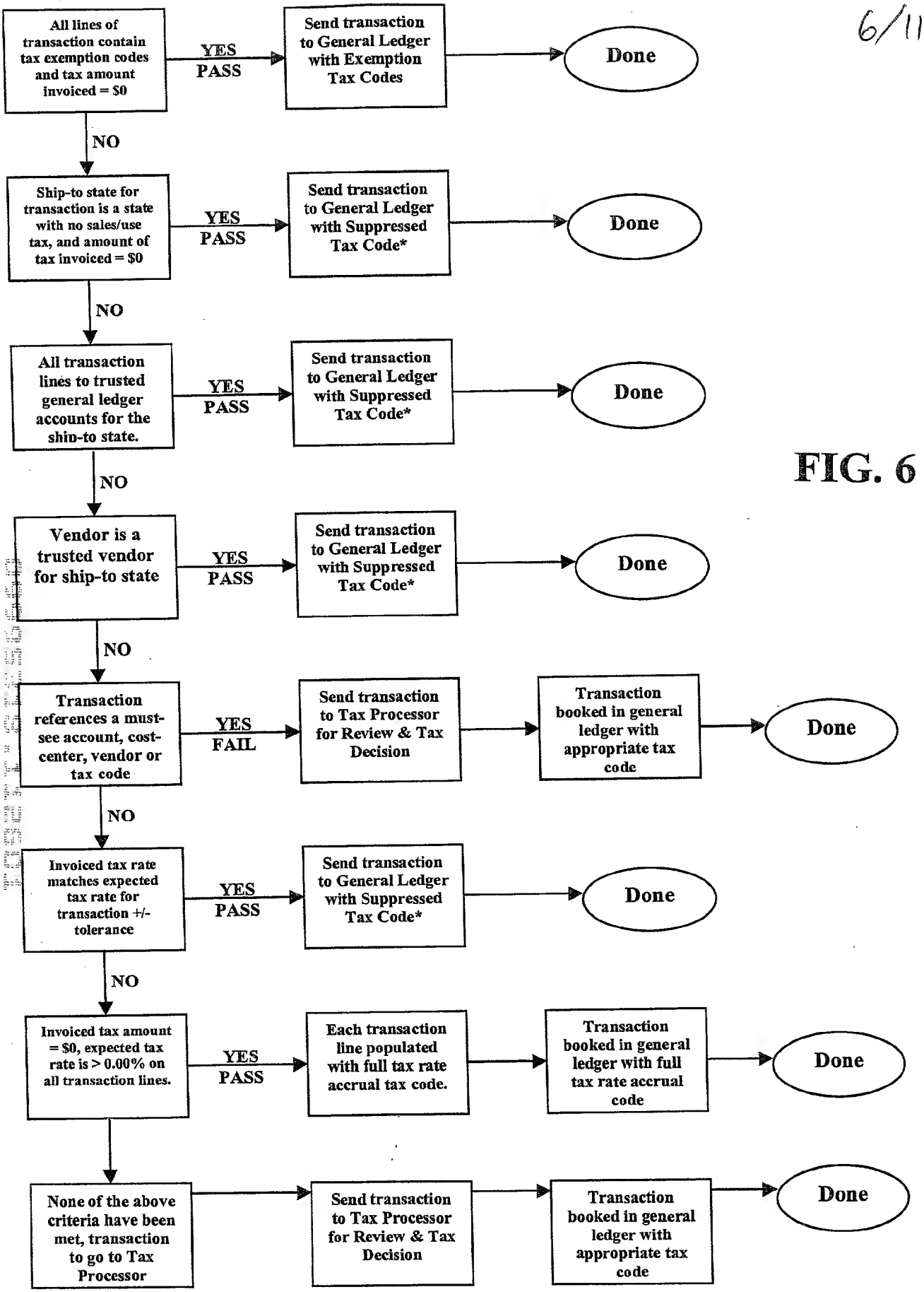

FIG. 6

* A suppressed tax code is a tax code that suppresses the general ledger's call to Taxware.

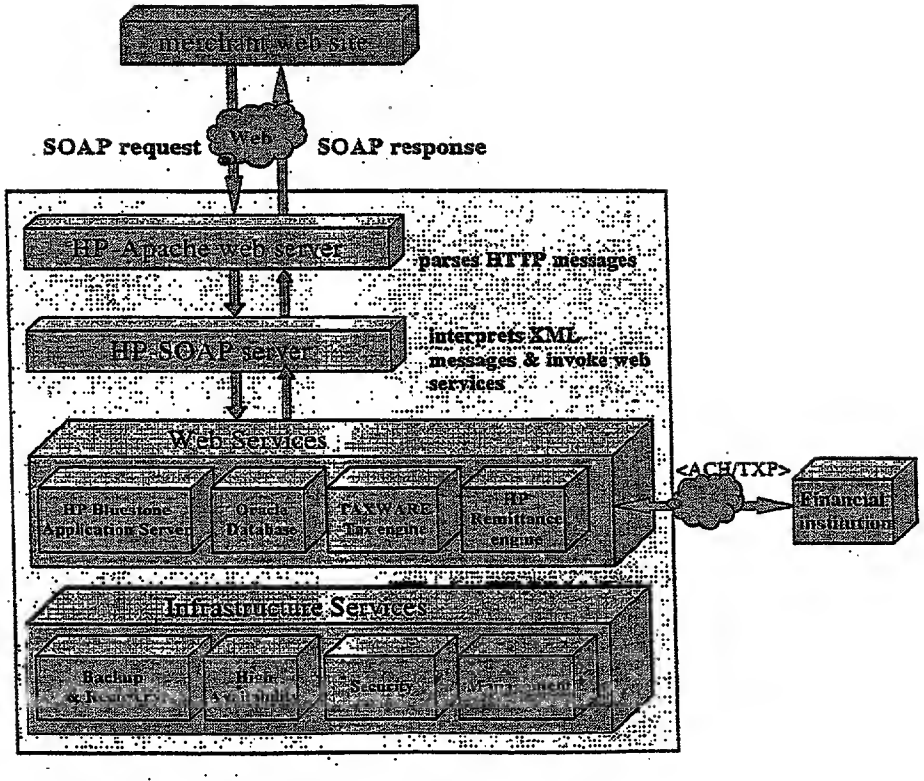
merchant web site
SOAP request
Web
SOAP response
HP Apache web server
parses HTTP messages
HP SOAP server
interprets XML messages & invoke web services
Web Services
HP Bluestone Application Server
Oracle Database
PAYWARE Tax engine
HP Remittance engine
<ACH/TXP>
Financial institution
Infrastructure Services
Backup & Recovery
High Availability
Security
Management

FIG. 7

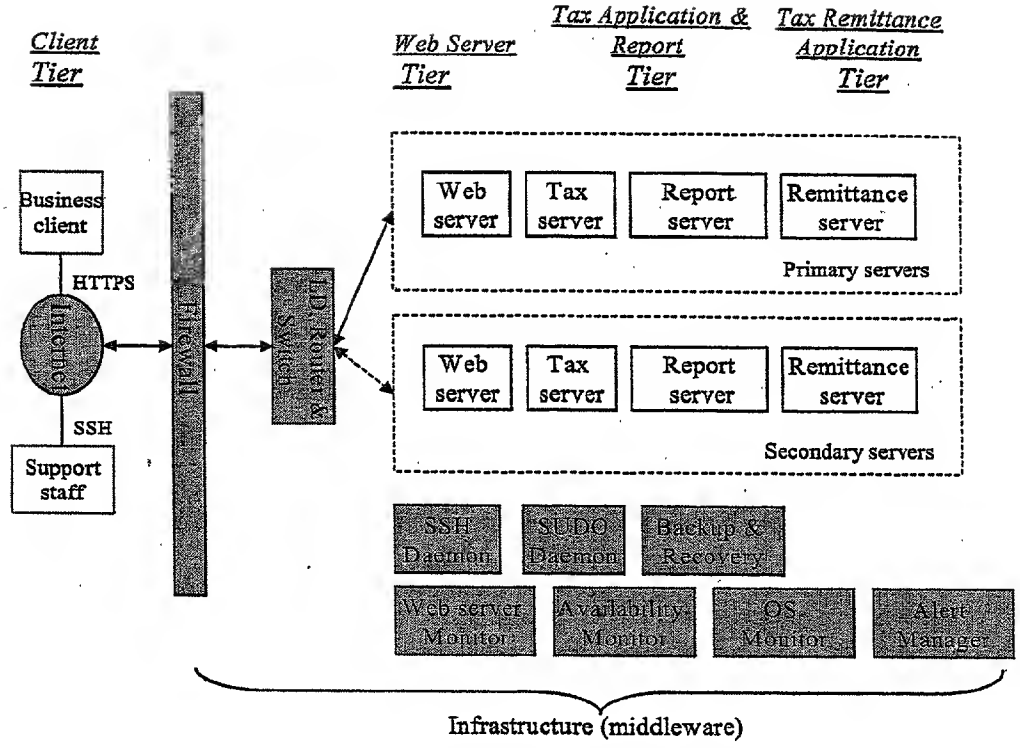
Client Tier
Web Server Tier
Tax Application & Report Tier
Tax Remittance Application Tier
Business client
HTTPS
Internet
SSH
Support staff
Firewall
LD Router & Switch
Web server
Tax server
Report server
Remittance server
Primary servers
Web server
Tax server
Report server
Remittance server
Secondary servers
SSH Daemon
SUDO Daemon
Backup & Recovery
Web server Monitor
Availability Monitor
OS Monitor
Alert Manager
Infrastructure (middleware)

FIG. 8

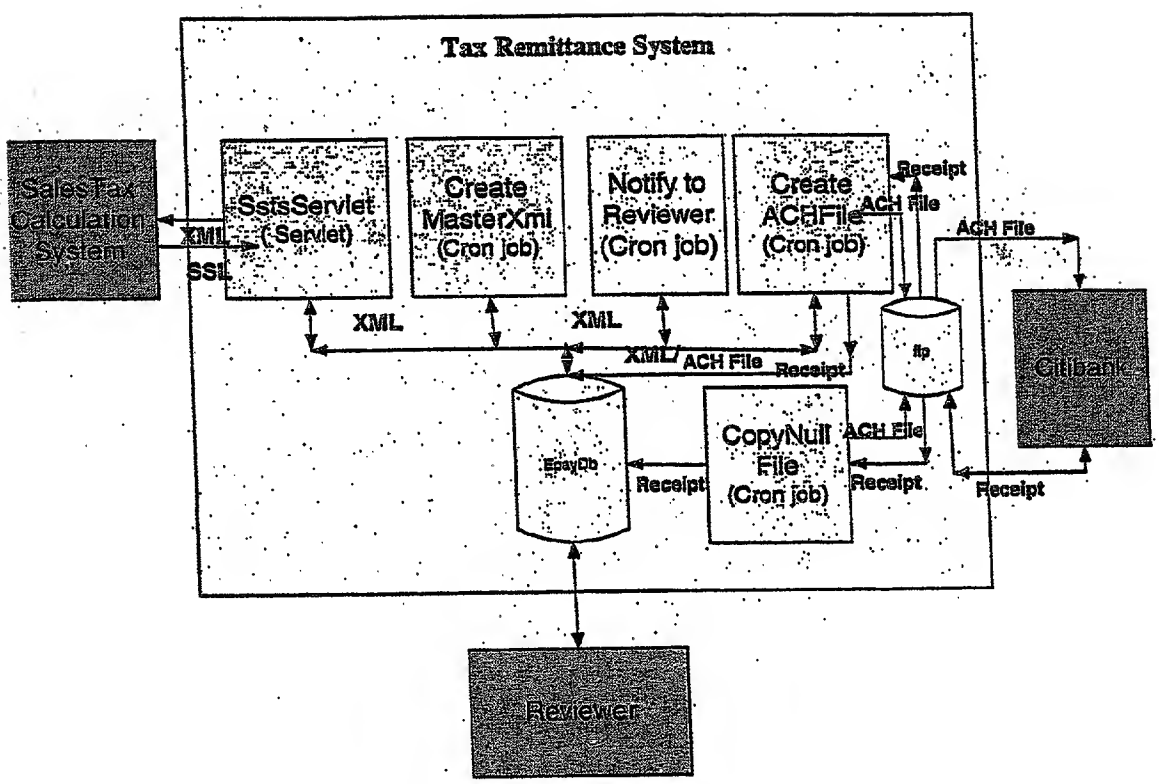
Tax Remittance System
SalesTax Calculation System
XML
SSL
SstsServlet (Servlet)
Create MasterXml (Cron job)
Notify to Reviewer (Cron job)
Create ACHFile (Cron job)
Receipt
ACH File
ACH File
XML
XML
XML
ACH File
Receipt
ftp
Citibank
EpayDb
Receipt
CopyNull File (Cron job)
ACH File
Receipt
Receipt
Reviewer

FIG. 9

Reset Erased

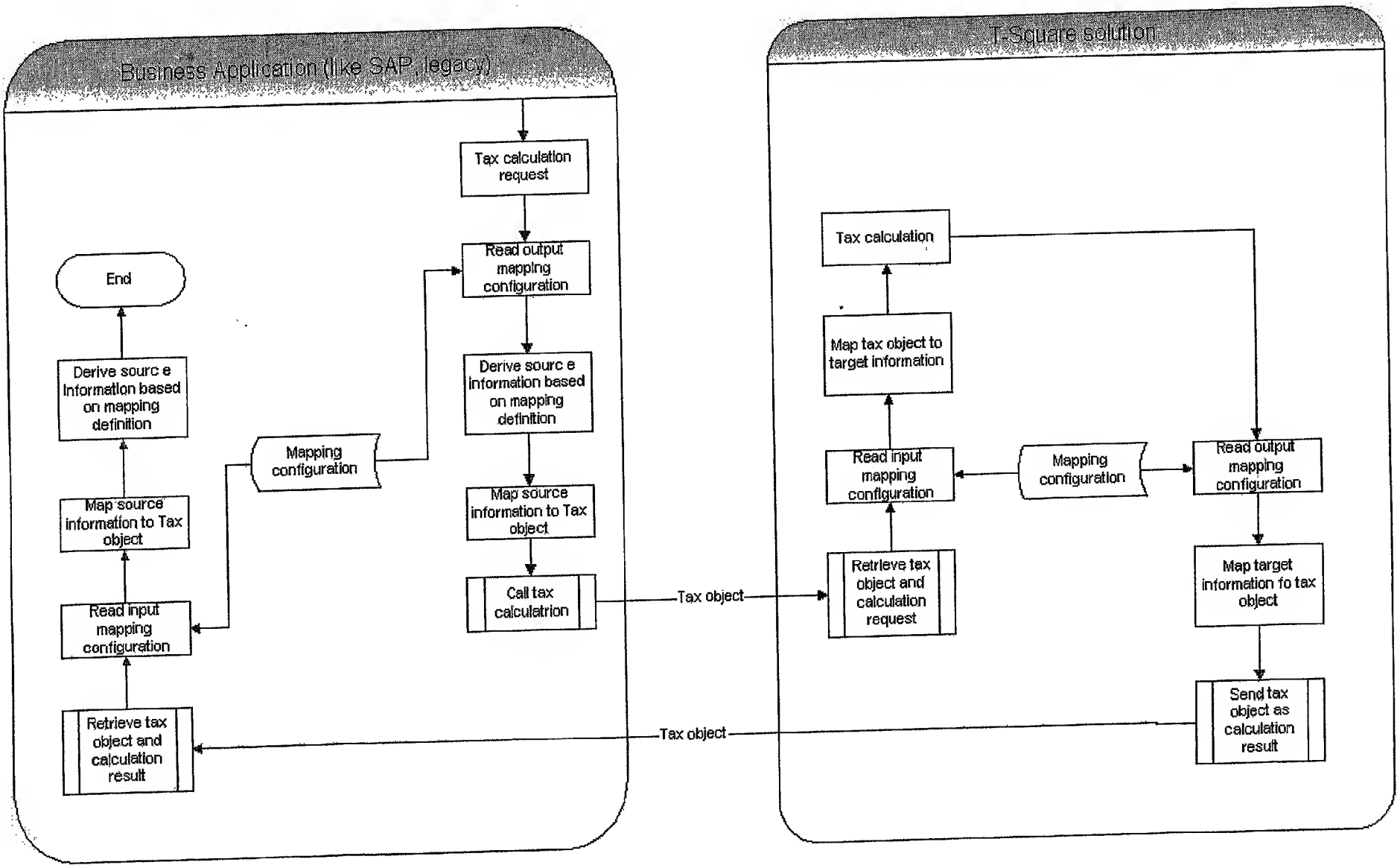

FIG. 10

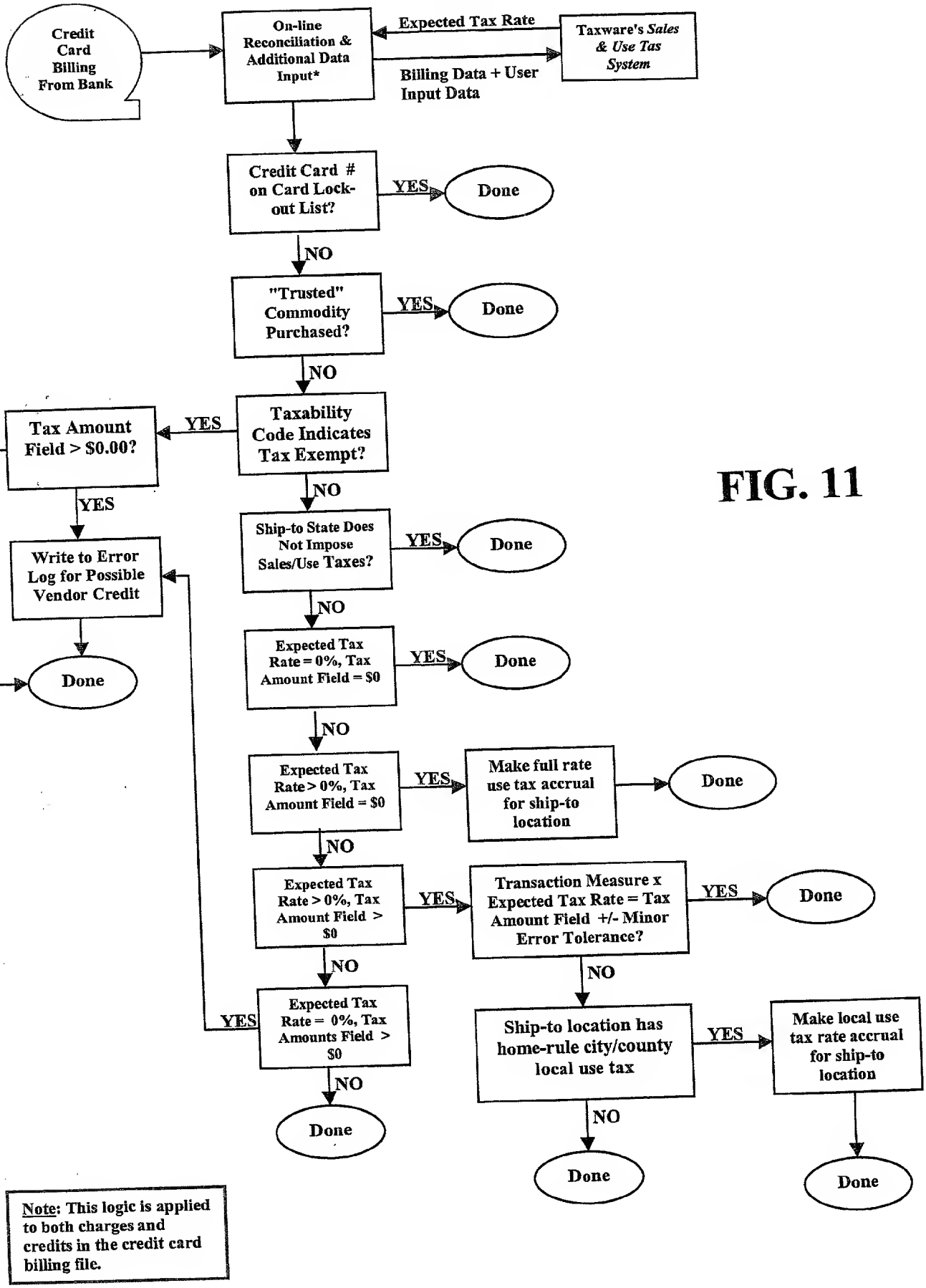
Credit Card Billing From Bank
On-line Reconciliation & Additional Data Input*
Expected Tax Rate
Billing Data + User Input Data
Taxware's Sales & Use Tas System
Credit Card # on Card Lock-out List?
YES
Done
NO
"Trusted" Commodity Purchased?
YES
Done
NO
Taxability Code Indicates Tax Exempt?
YES
Tax Amount Field > $0.00?
NO
YES
Write to Error Log for Possible Vendor Credit
Done
NO
Ship-to State Does Not Impose Sales/Use Taxes?
YES
Done
NO
Expected Tax Rate = 0%, Tax Amount Field = $0
YES
Done
NO
Expected Tax Rate > 0%, Tax Amount Field = $0
YES
Make full rate use tax accrual for ship-to location
Done
NO
Expected Tax Rate > 0%, Tax Amount Field > $0
YES
Transaction Measure x Expected Tax Rate = Tax Amount Field +/- Minor Error Tolerance?
YES
Done
NO
Ship-to location has home-rule city/county local use tax
YES
Make local use tax rate accrual for ship-to location
Done
NO
Done
NO
Expected Tax Rate = 0%, Tax Amounts Field > $0
YES
NO
Done
Note: This logic is applied to both charges and credits in the credit card billing file.

FIG. 11